

## STAFFORD COUNTY SCHOOL BOARD

### Agenda Consideration

**TOPIC:** Award of Contract: Stadium  
Field Upgrade; NSHS

**ITEM NO.:** 10E

**PREPARED BY:** Quintin Sullivan  
PM/Clerk of Works  
Planning & Construction

**MEETING:** November 15, 2005  
December 13, 2005  
March 28, 2006

**ACTION DATE:** April 11, 2006  
**INFORMATION ONLY:**

Scott Horan,  
Executive Director  
Planning & Construction

Andre' A. Nougaret,  
Assistant Superintendent  
for Support Services

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**ACTION REQUESTED BY THE SUPERINTENDENT:** That the School Board approve a contract in the amount of TBD to TBD for the upgrade of the stadium field at North Stafford High School.

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#### KEY POINTS:

1. The stadium field (football/soccer/track) at North Stafford High School is in extremely poor condition. The field requires several substantial modifications to address safety and maintenance concerns. They are as follows: upgrade of drainage system, re-grading of field slopes, replacement of turf, repair of irrigation system, replacement of goal post and re-stripping of the track.
2. The stadium field has the original 25 year-old field drainage system including ten (10) concrete inlet boxes with steel grates. These inlet boxes and grates are located between the playing field and the track and present a major safety issue with a high potential for student athletes to be injured during scholastic sporting events and during school PE classes. In addition, major erosion is occurring at or near several of the concrete inlet boxes exacerbating safety concerns and creating a recurring maintenance issue. Repairs to these erosion issues have increased in frequency and scope over the last 18 months.
3. In April 2005 Planning and Construction staff, working with NSHS staff, contracted for a general engineering assessment. PHR&A was contracted through one of our open-ended civil engineering professional services contracts. In May 2005, PHR&A provided their assessment and recommended corrective action. Recommendations included immediate fixes to the erosion problems and a more comprehensive upgrade to address long-term use and safety issues. PHR&A recommended SCPS replace the existing NSHS football/soccer field drainage system with an underground drainage system (similar to MVHS and CFHS). PHR&A also recommended that in conjunction with the drainage system replacement, SCPS initiate any other field improvements scheduled for the next 2-3 years.

4. Staff reviewed the report, consulted with NSHS staff, examined a list of other existing field deficiencies, determined an estimated project performance period and forecasted the least disruptive time of year to initiate this project. The following field modifications were recommended:

- a. Short-term fixes will be done with in-house maintenance, but will not be as extensive as identified in the PHR&A report unless, major repairs are delayed
- b. Drainage system should be replaced with underground system
- c. Re-grading of field should be done at the same time
- d. New turf (Bermuda) should be installed
- e. Irrigation system should be upgraded
- f. Existing track should be repainted (Possibly re-surfaced)
- g. New goal post installed (existing goal posts do not comply with VHSL)
- h. Project should be awarded in Spring 2006 and work started as soon as possible after award
- i. Field needs to be ready for Bermuda turf in early June 2006
- j. All NSHS spring sports that utilize this playing surface will need alternative playing/practicing locations after mid April 2006

5. In August 2005, staff initiated a design with PHR&A to include all of the items listed except item f. (above). Track repainting will be accomplished after this project is completed via a separate contract.

6. At the November 15, 2005 School Board meeting, staff presented the project for consideration and approval at the next scheduled Board meeting. During this presentation information was requested on installing Field Turf (artificial) vice Bermuda sprigs. The following is information obtained in support of that request:

- a. Bermuda sprig installation cost for an area similar in size to a football field is roughly \$50 - \$80K with field rough and laser grading
- b. Field Turf cost for an area similar in size to a football field is roughly \$650 - \$700K with field rough and laser grading
- c. Field Turf is low maintenance compared to grass, however some issues do exist with the repair of "turf" when and if damaged
- d. There are limited number of "certified" installers for Field Turf
- e. Sub-base installation problems have surfaced at existing fields
- f. No irrigation systems required for Field Turf vice grass
- g. Virtually unlimited playing time for Field Turf vice grass

Field Turf was considered for installation at MVHS but due to high initial cost, was not pursued.

7. At the December 13, 2005 School Board meeting, the School Board approved the project as presented by staff and approved the use funds from the Construction Contingency Reserve Account. Funding for the construction effort is estimated at \$350K and was not identified in the FY06 – 11 Capital Improvement Program (CIP).

8. Project design was completed in February 2006 and the project was advertised through the Stafford County Purchasing Department in March 2006. Pre-Bid conference was held on March 23, 2006 with X bidder attending or requesting bid packages. Bid Opening is scheduled for April 6, 2006.

9. If approved by the School Board, staff plans to award a contract to TBD and issue a

notice to proceed in April 2006.

**SCHOOL BOARD GOAL: #5** – Provide facilities that promote student learning and  
and community support.

**FUNDING SOURCE:** Construction Contingency Reserve Account

**AUTHORIZATION REFERENCE:** Stafford County School Board Policy 4-32

*February 2006*